

## M 5.9, 8 km W of Cuauhtmoc, Mexico

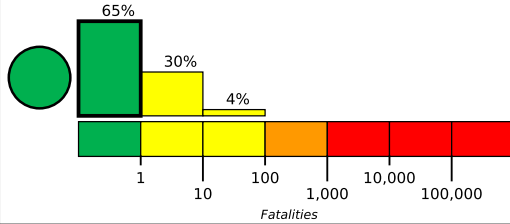
Origin Time: 2023-10-07 05:06:55 UTC (Sat 00:06:55 local)  
Location: 17.0943° N 94.9609° W Depth: 108.4 km

Created: 2 hours, 3 minutes after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

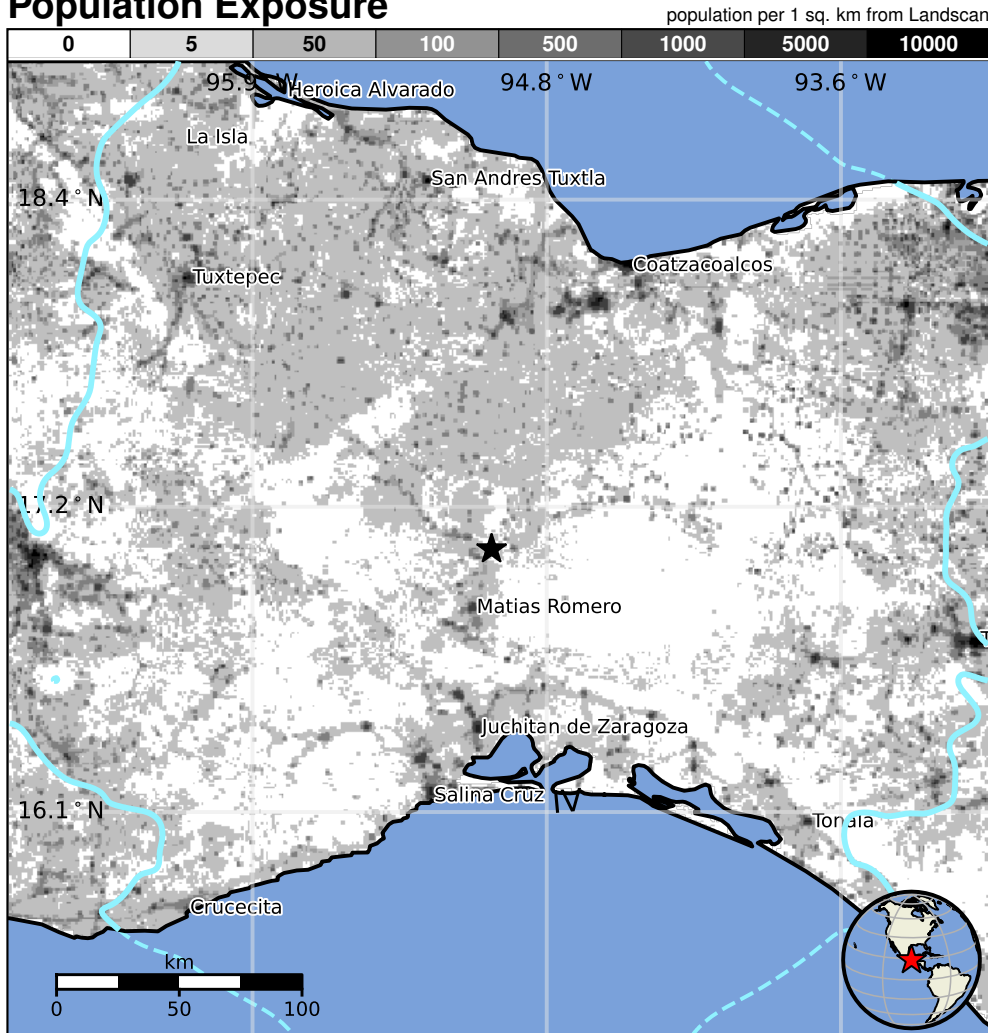


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	661k*	7,880k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1994-07-04	351	6.4	V(118k)	2
1995-09-14	389	7.3	V(459k)	3
1973-08-28	215	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Paso Real de Sarabia	1k
IV	El Bajio	2k
IV	Llano Suchiapa	2k
IV	Palomares	4k
IV	<b>Matias Romero</b>	<b>21k</b>
IV	Colonia Rincon Viejo	9k
IV	Minatitlan	151k
IV	<b>Coatzacoalcas</b>	<b>231k</b>
IV	<b>Tuxtepec</b>	<b>92k</b>
IV	Oaxaca	263k
IV	Tuxtla	481k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000ldny#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000ldny